## GUJARAT TECHNOLOGICAL UNIVERSITY BArch- SEMESTER- 2 EXAMINATION – SUMMER 2016

	bject Code: 1025003	Date: 26/05/2016
Tir Inst	<ul> <li>bject Name: Building Construction - II</li> <li>ne: 10.30AM – 01.30PM</li> <li>ructions:</li> <li>1. Attempt all questions.</li> <li>2. Make Suitable sketches wherever necessary.</li> <li>3. Figures to the right indicate full marks.</li> </ul>	Total Marks: 40
b)	Draw a sectional elevation of a doglegged staircase showing all its parts Design a single shuttered timber paneled door in an opening size of 1000 MM x 2100 MM and draw an elevation, plan and section of the sam	04 e. 04
Q.2 a)	Describe, with the help of sketches, a double hung window	04
b)	Explain, with the help of diagrams, various systems of plumbing used for	house drainage 04
	OR	
b)	Explain in brief the characteristics of (a) good paint, (b) good varnish	04
Q.3	Explain the method of erection of centering for arch construction <b>OR</b>	08
Q.3	<ol> <li>Explain in brief: (Any four)         <ol> <li>State briefly the requirements of a good staircase.</li> <li>Explain various types of traps commonly used.</li> <li>Define 'Arch' &amp; enlist any 4 types of arches</li> <li>Define 'Foundation' &amp; enlist any 4 types of foundation.</li> <li>Explain various defects in painting.</li> </ol> </li> </ol>	08
Q.4	<ul> <li>Write a short note on: (Any two)</li> <li>1. Timber boards</li> <li>2. Tiles</li> <li>3. What is a Glass? Mention its various types available in market and four.</li> </ul>	<b>08</b> d explain in detail any
Q.4	OR <ol> <li>Answer any four         <ol> <li>Explain skylights with the help of a neat sketch.</li> <li>Write a short note on location of doors and windows.</li> <li>Write a short note on various types of hinges used for doors and w</li> <li>Explain with the help of sketches the various components of a station to the state of th</li></ol></li></ol>	

Q.5 Write a short note on: (a) Urinals (b)Flushing cisterns

## OR

Q.5 Explain classification of Arches based on: (a)shape, (b) number of centres, (c) material & Workmanship 08

**08**